

Amendments to the Specification:

On page 1, prior to the first paragraph which begins on line 3, please insert the following:

FIELD OF THE INVENTION

On page 1, prior to the second paragraph which begins on line 10, please insert the following:

BACKGROUND OF THE INVENTION

Please replace the paragraph which appears on page 1, lines 10-12, with the following rewritten paragraph:

Known online systems for nitrate measurement or for measuring the content of organic substances are available from Endress + Hauser Conducta GmbH + Co. KG the assignee under the designation trademark STAMOSENS "STAMOSENS". The present invention further develops the known state of the art.

On page 1, prior to the paragraph which begins on line 13, please insert the following:

SUMMARY OF THE INVENTION

Please replace the paragraph which begins on page 4, line 6, and which ends on line 13, with the following rewritten paragraph:

The invention will now be described in greater detail on the basis of the drawings, the figures of which show as follows:

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a schematic representation of an embodiment of the device of the invention;

Fig. 2 is a block diagram of a preferred embodiment of the device of the invention;

Fig. 3 is a flow diagram for the operation of the control/evaluation unit of Fig. 2;

Fig. 3a is a flow diagram for the plausibility check 106 at box A in Fig. 3;

Fig. 3b is a flow diagram for option B in Fig. 3; and

Fig. 3c is a flow diagram for option C in Fig. 3b.

On page 4, prior to the paragraph which begins on line 14, please insert the following:

DESCRIPTION OF THE PREFERRED EMBODIMENTS

Please replace the paragraph which appears on page 4, lines 14-19, with the following rewritten paragraph:

Fig. 1 shows a schematic representation of the probe 11 of the device of the invention. In the following, a nitrate probe is referenced by way of example. However, it is understood that the probe 11 of the invention is suitable for all substances whose concentration in an aqueous solution or in a suspension can be determined using a photometric measurement. The abovementioned above-mentioned substances can be, for example, organic substances.

Please replace the paragraph which appears on page 4, lines 20-22, with the following rewritten paragraph:

Probes providing an online measurement of nitrate or organic substances are available from Endress + Hauser Conducta GmbH + Co. KG the assignee under the mark trademark STAMOSENS "STAMOSENS" in various embodiments.

Please replace the fourth paragraph which appears on page 6, line 23 and which ends on line 29, with the following rewritten paragraph:

In the illustrated example of an embodiment, the measured values supplied by the probe 11 are statistically evaluated in the transmitter 10 and presented to the operator via a display 17. Furthermore, data which give information concerning the reliability

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and/or plausibility of the measured values are made available to the operator. In addition, the transmitter 10 has an input unit 18. A transmitter 10 preferably used in connection with the invention is available from Endress + Hauser Conducta GmbH + Co. KG the assignee under the trademark designation "STAMOSENS CNM 750" ~~STAMOSENS CNM 750~~.